

Principal Publications in the Last 5 Years (refereed journal articles only):

(1) 'Low-Angle Structure Factors, Debye Temperatures and Charge Density of NiAl: A Reconciliation Between Experiment and First Principles Full Potential Linear Augmented Plane Wave (FLAPW) Calculations in the Local Density Approximation', Fox A.G. (1995) Scripta Metallurgica et Materiala, **32**, 343.

(2) 'The Role of Titanium in the Non-Metallic Inclusions which Nucleate Acicular Ferrite in the Submerged Arc Weld (SAW) Fusion Zones of Navy HY-100 Steel', Fox A.G. and Brothers D.G. (1995) Scripta Metallurgica et Materiala , **32**, 1061.

(3) 'Hot Sodium Sulfate Corrosion of a Nicalon Silicon Carbide Fiber-Reinforced Lithium Aluminosilicate Glass-Ceramic Matrix Composite' Fox A.G., Hunt R.K., Maldia L.C. and Wang S.W. (1995) Journal of Materials Science, 30, 6161.

(4) 'The Influence of TIG Welding Thermal Cycles on HSLA-100 Steel Plate', Bhole S.D. and Fox A.G. (1996) Canadian Metallurgical Quarterly, 35, 151.

(5) 'On the Determination of the Debye-Waller Factor and Structure Factors of NiAl by X-Ray Powder Diffraction', Menon E.S.K. and Fox A.G. (1996) Acta Materiala, 44, 2547.

(6) 'Accurate Determination of Lattice Parameters of γ -TiAl Alloys' Menon E.S.K., Fox A.G. and Mahapatra R. (1996) Journal of Materials Science Letters, 15, 1231.

(7) 'The Effect of Small Changes in Flux Basicity on the Acicular Ferrite Content and Mechanical Properties of Submerged-Arc Weld Metal of Navy HY-100 Steel' Fox A.G., Eakes M.W. and Franke G.L.(1996) Welding Journal Research Supplement, 75, 330s.

(8) 'Structure Factors and Bonding in β NiAl' Fox A.G. and Menon E.S.K. (1997) Journal of Phase Equilibria, 18, 509.

(9) 'Debye-Waller Factors of Stoichiometric and Al-rich γ -TiAl Alloys' Menon E.S.K. and Fox A.G.(1998) Philosophical Magazine A, 77, 577.

(8) 'Hot Corrosion of a Calcium Aluminosilicate Glass- Ceramic and a Si-C-O Fiber-Reinforced Calcium Aluminosilicate Matrix Composite' Kumar A. and Fox A.G. (1998) Journal of the American Ceramic Society, 81, 613.

(9) 'Structure Factor Measurement by ZAPMATCH' Saunders M, Fox A.G. and Midgley P.A. (1999) Acta Crystallographica A 55, 471.

(10) 'Debye-Waller Factor Measurement by ZAPMATCH' Saunders M, Fox A.G. and Midgley P.A. (1999) Acta Crystallographica A 55, 480.